**BIOC404 – Biochemical Methods**

In this course, we will teach the theory and applications of classical and emerging technologies in biochemical research. The course is divided in 6 blocks, each of 6 lectures. Each block will be taught by a different instructor who will focus on a different topic, with the exception of the last block that will be taught by 2-3 specialized instructors. Each block will be evaluated independently and weighted equally for the final grade. The course will be taught in the COPP building (2146 Health Sciences) in room COPP4210.

**Term 1 (18 lectures, Monday/Friday, 12-1pm):**

Block 1 – Dr. Scott Covey – Genome Editing and Quantitative PCR

Block 2 – Dr. Thibault Mayor – Mass Spectrometry based Proteomics

Block 3 – Dr. Lawrence McIntosh – Nuclear Magnetic Resonance (NMR) Spectroscopy

**Term 2 (18 lectures, Monday/Friday, 1-2pm \*change of time\*):**

Block 4 – Dr. Filip van Petegem – Crystallography

Block 5 – Dr. Franck Duong – Protein Purification Principles

Block 6 – Advanced Methods in Biochemistry (rotating instructors)